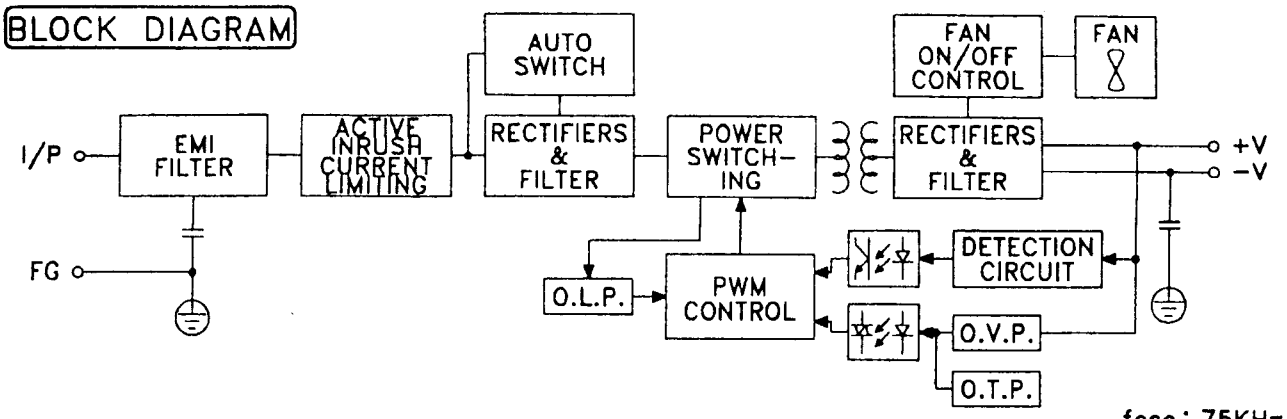
- LOW COST, HIGH RELIABILITY
- 105℃ OUTPUT CAPACITOR
- INTERNATIONAL AC INPUT RANGE
- BUILT IN EMI FILTER, LOW RIPPLE NOISE
- HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE, OVER TEMP. PROTECTED
- COMPACT SIZE, LIGHT WEIGHT
- 100% FULL LOAD BURN-IN TEST
- COOLING FAN ON/OFF AUTOMATICALLY

MODEL / SPECIFICATION	S-240-5	S-240-12	S-240-15	S-240-24	S-240-30	S-240-48	S-240-7.5
DC OUTPUT VOLTAGE	5V	12V	15V	24V	30V	48V	7.5V
OUTPUT V. TOLERANCE [2]	±2%	±1%	±1%	±1%	±1%	±1%	±2%
OUTPUT RATED CURRENT	40A	18A	15A	10A	8A	5A	30A
OUTPUT CURRENT RANGE	0-40A	0-18A	0-15A	0-10A	0-8A	0-5A	0-30A
RIPPLE & NOISE [3]	150mVp-p	120mVp-p	150mVp-p	180mVp-p	180mVp-p	240mVp-p	150mVp-p
LINE REGULATION [4]	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	±0.5%
LOAD REGULATION [5]	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.2%	±1%
DC OUTPUT POWER	200W	216W	225W	240W	240W	240W	225W
EFFICIENCY	78%	82%	83%	84%	85%	87%	80%
DC VOLTAGE ADJ.	4.5-5.8V	10-14V	12-18V	20-28V	27-33V	41-56V	6-9V
INPUT VOLTAGE RANGE	88～132VAC / 176～264VAC AUTO SWITCH						
INPUT FREQUENCY	47～63Hz						
AC CURRENT	5A/115V 2.5A/230V						
INRUSH CURRENT	15A/115V 30A/230V						
OVERLOAD PROTECTION	105%～135% TYPE:FOLDBACK CURRENT SHUTDOWN RECOVERY:AUTO						
OVER VOLTAGE PROTECTION	6V～7V	14.4V～16.8V	19.5V～22.5V	31.2V～36V	34.5V～40.5V	57.6V～67.2V	9.4V～10.9V
FAN CONTROL, O.T.P	RT1≥40℃ FAN ON, ≤35℃ FAN OFF, ≥70℃ OUTPUT SHUTDOWN						
TEMP. COEFFICIENT	±0.03% / ℃ (0～50℃)						
SETUP, RISE, HOLD UP TIME	1s, 20ms, 20ms						
VIBRATION	10～500Hz:2G 3AXES 10min./1cycle (1 HOUR / EACH AXES)						
WITHSTAND VOLTAGE [6]	I/P-O/P:3KV I/P-FG:1.5KV O/P-FG:0.5KV 1min.						
WORKING TEMP., HUMIDITY	-10℃～+60℃, 20%～90% RH (REFER TO OUTPUT DERATING CURVE)						
STORAGE TEMP., HUMIDITY	-20℃～+85℃, 10%～95% RH						
DIMENSION	190＊93＊65mm CASE:911						
WEIGHT	1.1Kgs						
SAFETY STANDARDS	UL 1950, TUV EN60950 (IEC950, UL1950) APPROVED						MEET UL1950 REQUIREMENT
EMC STANDARDS	CISPR22 (EN55022), IEC801-2,3,4, IEC555-2 VERIFICATION					----------	

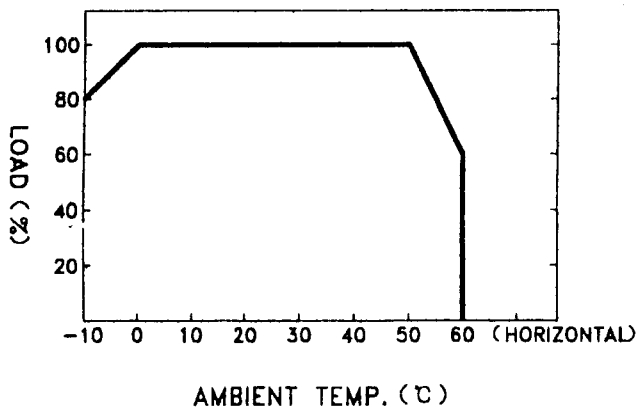
NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25℃ AMBIENT.
2.TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.
6.C3,4,41 MUST BE REMOVED.

BLOCK DIAGRAM

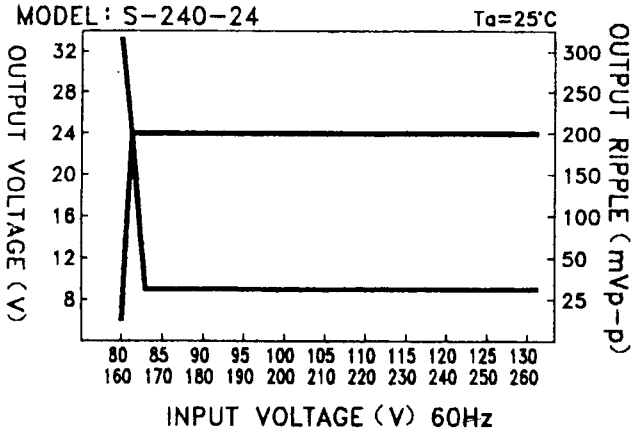


fosc : 75KHz

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- CASE : 911
- TERMINAL PIN NO. ASSIGNMENT
  - PIN 1,2 : AC INPUT
  - PIN 3 : FG ⏚
  - PIN 4,5 : DC OUTPUT -V
  - PIN 6,7 : DC OUTPUT +V